J. A. DANN & W. F. DANN.

Improvement in Wagon Seats.

No. 115,583. Patented June 6, 1871.

fig. 1.

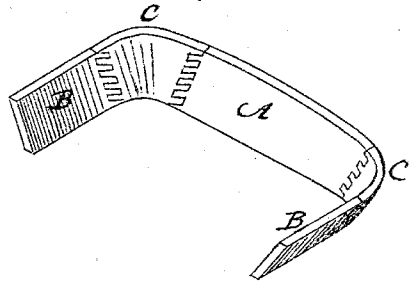


fig. 2.

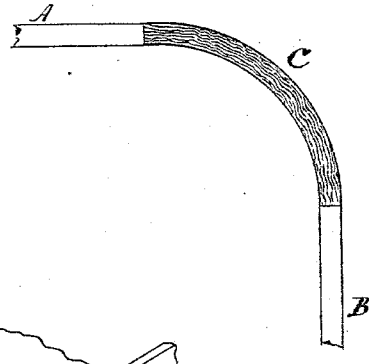
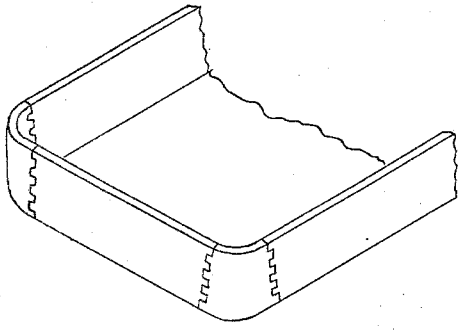


fig. 3.



Witnesses.

John H. Shumway

A. J. Tibbits

John A. & William F. Dann
Inventors

By their Attys

John C. Earle

UNITED STATES PATENT OFFICE.

JOHN A. DANN AND WILLIAM F. DANN, OF NEW HAVEN, CONNECTICUT, ASSIGNORS TO DANN BROTHERS & CO., OF SAME PLACE.

IMPROVEMENT IN WAGON-SEATS.

Specification forming part of Letters Patent No. 115,583, dated June 6, 1871.

To all whom it may concern:

Be it known that we, JOHN A. DANN and WILLIAM F. DANN, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in the Construction of Carriage-Bodies, Seats, &c.; and we do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in—

Figure 1, a perspective view of the back as prepared for the seat; Fig. 2, a top view of a portion of the same enlarged; and in Fig. 3, a perspective view of one end of a carriage-body.

This invention relates to an improvement in the manufacture of articles of a box character, in which a round corner is desirable, with special reference to carriage-seats and bodies.

These have heretofore been formed by the insertion of pieces of wood, the grain of which runs vertically, while the side runs longitudinally.

Various devices have been resorted to to prevent the checking or cracking of the seat at the union of the parts to form the angle, but these have either failed to accomplish the object or were too expensive to be practical.

For convenience of illustration, we represent our invention as applied to the construction of carriage-seats and carriage-bodies, and we are thus enabled to produce a cheap seat, and one in which the parts cannot separate or the angles check or crack.

Our invention consists in constructing that part of the seat which forms the curved corners from wood bent into the required curve, each end of the said piece being dovetailed or similarly tongued and grooved, and the ends of the back and end pieces, which are to be joined to the curved portion, are correspondingly dovetailed or tongued and grooved, so that the parts will fit together, and, when glued, are inseparable.

A is the back; B B, the ends; C C, the curved portions or curves of the seat. The curved portions C are bent from suitable wood into the form required for the corner, as seen in Fig. 2, the grain of the wood running around the curve, as also seen in Fig. 2. Each end of these curved pieces is dovetailed or tongued and grooved, as seen in Fig. 1, and the back A and ends B are correspondingly tongued and grooved, as seen in Fig. 1, and, when set together, the grain of the ends, sides, and curves is nearly in the same line. These parts are glued together, and this construction of joint, when glued, is practically inseparable, and the grain running around the curve avoids all liability of checking.

In carriage-bodies, and for similar work, the construction is the same, that part which is to form the angle being bent from wood, so that the grain will run nearly in line with that of the sides.

While specially designed for carriage work, it will be evident that this invention is applicable to many other uses.

We claim as our invention—

In carriage and other wood work, the curved portion C, bent into shape, and united to the adjacent straight parts, in the manner substantially as described.

JOHN A. DANN.
WILLIAM F. DANN.

Witnesses:
A. J. TIBBITS,
J. H. SHUMWAY.